07240

# Durex® Flexlite Select MF

## Flexible Moisture Managed EIFS (Mechanically Fastened)

**Description** Durex® Flexlite Select MF is an exterior insulation and finish system consisting of a moisture barrier, drainage mat, expanded polystyrene insulation, mechanical fasteners, glass fibre-reinforcing mesh, base coats, and a finish texture coat which can be selected from any one of the available Durex Architectural Coatings.

**Uses** Durex® Flexlite Select MF is primarily suitable for residential work.

**Features**

- CAN/ULC S716 compliant
- CCMC evaluated (13103-R)
- Easy installation
- Positive drainage
- Lightweight
- Versatile
- Flexible
- ***GDDC Factor 15% (Geometrically Defined Drainage Cavity)***
- ***CI factor 0.65 RSI (R 3.9) per inch Type I EPS (Continuous Insulation)***
- ***CI factor 0.70 RSI (R 4.0) per inch Type II EPS (Continuous Insulation)***

### TECHNICAL DATA

| SYSTEM COMPONENT | STANDARD/METHOD | RESULTS | |
|---|---|---|---|
| **INSULATION:** | | ***Thermal Resistance*** | ***GDDC Factor*** |
| Durex Flexlite Select Type I | CAN/ULC S701 | 0.65 RSI (R 3.9) per inch | 15% |
| Durex Flexlite Select Type II | | 0.70 RSI (R 4.0) per inch | 15% |
| **WATER RESISTIVE BARRIER:** | | | |
| ***Air / Vapour Barriers*** | ASTM E96 – Water Vapour Transmission | ***Method A*** | ***Method B*** |
| Durex Flexseal | | | 2.9 ng/Pa.s.m² |
| ***Air Barriers*** | *(Refer to product specific Technical Data Sheet for more detailed data)* | | |
| Durex Flexseal VP | | 629 ng/Pa.s.m² | 972 ng/Pa.s.m² |
| Durex AirStop | | 185 ng/Pa.s.m² | 505 ng/Pa.s.m² |
| **INSULATION ATTACHMENT:** | | | |
| -Durex"M" fasteners (masonry) | ASTM B-117 – salt spray | 750 hrs. or better | |
| -Durex "W" fasteners (wood) | DIN 50012 - $SO_2$ exposure | 25+ cycles | |
| -Durex "S" fasteners (steel) | FM4470 & DIN 50018 SFW | 30 cycles Pass | |

| LAMINA: | | | Retention Physical | Retention Performance | |
|---|---|---|---|---|---|
| **Impant Resistance** | ASTM E2486 – Impact Resistance | Standard | 3 N.m | 10 N.m | PASS |
| Durex Fiberglass Mesh | | Intermediate | 8 N.m | 15 N.m | PASS |
| *(Note: Impact resistance level is directly related to the weight and layers of Fiberglass mesh used in the lamina)* | *(Refer to Table 1.5.9 of the Flexlite Select MF Specifications for detailed selection chart for guidance on level of impact resistance required)* | High | 13 N.m | 20 N.m | PASS |
| | | Ultra High | 20 N.m | 30 N.m | PASS |
| | | Extreme | 25 N.m | 40 N.m | PASS |

| | | |
|---|---|---|
| **Base Coat** | | |
| Durex Monobase<br>Durex Flexcrete | CAN/ULC S114 Noncombustibility | Rated Noncombustible |
| **FINISHES:** | | |
| **Durex Architectural Coatings**<br>Classic Series<br>Premium Series<br>Artisan Series<br>Kolor Gard Series<br>Elastomeric (FX) Series | CAN/ULC S716.1 &<br>CCMC Report # 13103-R<br>*(Refer to product specific Technical Data Sheet and CCMC Evaluation Report # 13103-R for more detailed data)* | Durex Architectural Coatings<br>Meet and exceed all requirements |

| **PERFORMANCE:** | *(Refer CCMC Evaluation Report # 13103-R for complete detailed performance data)* | |
|---|---|---|
| **Fire Protection** | CAN/ULC S134<br>*(Compliance to NBC 3.1.5.5)* | Intertek listing # DPL-WEIFS 30-01 |
| **Wind Load Resistance** | ASTM E330 – sustained | -2.5 kPa for 60min. – no visible damage to any of the wall components |
| | ASTM E330 – cyclic | 600 cycles alt. 0 to -2.5kPa – no visible damage to any of the wall components |
| | ASTM E330 – blow-out | -3.75kPa applied for 10 sec. – no visible damage to any of the wall components - max. pressure 7.12 kPa |
| **Water Tightness** | ASTM E331 | 400 Pa pressure difference for 15 min. – no water penetration through the exterior surface finish |
| **System Compliance** | CCMC Technical Guide for EIFS<br>CAN/ULC S716.1 EIFS Materials & System | CCMC Evaluation Report # 13103-R<br>Durex Flexlite Select MF is fully compliant with:<br>CAN/ULC S716.1 Materials & System<br>CAN/ULC S716.2 Installation of Components & WRB<br>CAN/ULC S716.3 Design Application |

**Building Code Conformance:**

**Durex® Flexlite Select MF complies with the following building code requirements (refer to applicable building code)**

| **Classification** | Category 2<br>CAN/ULC S134 | Fire Test of Exterior Wall Assemblies |
|---|---|---|
| **Part 3** | Article 3.1.5.5<br>Article 3.1.5.2<br>Clause 3.2.3.7(2) & Table 3.2.3.7 | Combustible Cladding on Exterior Walls<br>Allowable Minor Combustible Components<br>>10% Unprotected Openings |
| **Part 5** | Section 5.6.1<br>Sub-Section 5.6.2.1<br>Section 5.9.4 | Protection from Precipitation<br>Sealing and Drainage<br>Exterior Insulation Finish Systems |
| **Part 9** | Clause 9.25.2.2(1)(d)<br>Sub-Section 9.25.5.2<br>Clause 9.27.1.1(5)<br>Section 9.27.2<br>Article 9.27.3.1<br>Sub-Section 9.27.13 | Insulation Materials CAN/ULC S701<br>Position of Low Permeance Membranes<br>General (Cladding, Application)<br>Required Protection from Precipitation<br>Elements of Second Plane of Protection<br>Exterior Insulation Finish Systems |

**Application** Apply all Durex System Products and components, (WRB, insulation, fasteners, base coat, reinforcing mesh, finish coat, sealants) in strict accordance with Durabond's printed instructions. See Durabond's Standard Specifications/Details and Durex Product Data Sheets.

**Clean-up** Clean all tools promptly after use with clean water. Do not allow mixes to dry on tools.

**Storage** Store all Durex® Products and components in a dry vented, waterproof location, stacked off the ground with ambient temperatures above 5°C (41°F). Keep materials dry, protected from dampness and moisture and away from direct sunlight. KEEP FROM FREEZING.

**Health and Safety** For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent SDS sheet containing physical, environmental, toxic and other safety/materials handling data. For industrial use only. Keep out of reach of children.

**Warranty** Durabond Products Limited fully warrants their products when used and applied in strict accordance with the printed instructions on product mixing and product application. In any case Durabond's responsibility shall not exceed either the refund of the purchase price or the replacement of the purchased product.

**Technical Services** Technical support is available upon request at info@durabond.com. For the latest version of this data sheet, please visit our website at www.durabond.com, call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Products Ltd. sales representative.